

FYI: Seminar 101

- Seminars are designed to be fun and engaging
- Seminars are built from and focused on curricular learning targets (goals)
- For the purpose of a transcript, seminars are either pass-fail or 0-100 per student request to be determined within the first five days of a seminar.
- Seminars are cross-disciplinary learning experiences that include work toward learning targets from multiple content areas.
- Seminars are graded based on effort, engagement, and progress toward meeting learning targets. Student scores will be determined by a student's individual learning plan.
- 3 Seminars slots will be offered per-period, per-semester. A student must sign up for 2, to be considered enrolled in a course for that period (eligibility).

2014-15 Seminar Options

- 1 - Great Assassinations in History
- 2 - It's All About the Book
- 3 - Understanding Cancer
- 4 - Yoga: Improve Your Fitness and Reduce Your Stress
- 5 - Preparing Healthy Foods
- 6 - Hot DIG-I-TY Dog
- 7 - Maine Artists
- 8 - Westerns: A Cultural Icon
- 9 - Media: Why Don't I see What You See
- 10 - Little Red Riding Hood (Children's Books)
- 11 - Half Life: How Radioactivity may kill (or save) us all
- 12 - Great Female Artists
- 13 - Media: Your Voice Counts
- 14 - Cold: Life and Physics at low Temperatures
- 15 - Sports and Social Change
- 16 - Where in the World Is
- 17 - Elemental my dear Watson
- 18 - Becoming Environmentally Aware/Eco-Friendly
- 19 - Go Fly a Kite
- 20 - Fraction Attraction
- 21 - Exotic and invasive species in Maine and beyond
- 22 - Sports, Money and our Society
- 23 - So You Think You're Sherlock Holmes
- 24 - Science of fish and fishing
- 25 - Coaching Foundations
- 26 - Trigon - Metry: The Ancient Greeks
- 27 - What went wrong (Brave New World!)
- 28 - Hospitality and Tourism
- 29 - Economics in Unexpected Places
- 30 - Dodeca - What? (Math, Reasoning Processes)
- 31 - Nutrition & Dietary Science
- 32 - Volunteerism & Leadership
- 33 - Conspiracy...?

Seminar Descriptoins

1) Great Assassinations in History (Social Studies, English)

The seminar is designed to cover assassinations of a variety of political, social, and religious leaders throughout world history. The seminar may include the following: Caesar, Lincoln, Gandhi, Martin Luther King, Jr, John and Robert Kennedy, Malcolm X, Ferdinand, Lennon, and Alexander II.

2) It's All About the Book (Social Studies, English)

This seminar can be used to fulfill Social Studies or English standards. Students will read 2 books of their choice to demonstrate their achievement of a variety of social studies or English standards.

3) Understanding Cancer (Science, Social Studies)

Cancer affects nearly every person on our planet throughout the course of his or her lives. The purpose of this seminar is to learn about what cancer is, how it develops, what treatments are available and the future of the disease.

4) Yoga: Improve your fitness and reduce your stress! (PE, Health) Learn about the practice of yoga and its health benefits. You should expect to participate daily in stretching, focused breathing, strengthening, and balance. You will use self-assessments and research to discover the different ways you can manage your stress to improve your health. PE- Lifelong fitness: skill related- Understands the body parts work together during coordinated movement. Health- Mental health- Understands different stress management techniques for positive health benefits.

5) Preparing Healthy Foods (Health, Nutrition, Science)

Students will understand the art and science of making, preserving and growing foods. Students will research food safety and storage before making yogurt, yogurt spreads, refrigerator jam, and growing sprouts. Students will also examine how healthy food choices can prevent illnesses.

Health- Nutrition- Understands that preparation, and storage of food in safe and sanitary ways keeps people healthy. Health- Nutrition- Understands how nutritional choices relate to the cause and /or prevention of disease and other problems.

6) HOT DIG-I-TY DOG! (Math, Science, Geography)

Learn how mathematics can be used to build an efficient solar powered parabolic hot dog cooker. Test out the cooker during the last week of the seminar. Explore other uses of the sun and parabolic shapes (ie parabolic dishes) to collect energy.

7) Maine Artists (Art, Social Studies)

Even though Maine is a small state, it is home to some successful, famous artists. Who are these artists? What is their work like? How did they rise to fame? Come explore the rich, artistic heritage of your state! Field trips to some local museums will add to our experience.

8) Westerns: A Cultural Icon (Social Studies, Media, ELA)

By looking at a small selection of films from the 'western' genre, students can explore some themes in American history and American art. The seminar will involve class discussion as well as some writing. Learning goals in pop culture will be addressed.

9) Media: Why Don't I see What You See (Media, Other Topic-specific)

Media messages are constructed for a purpose and for a specific audience. This seminar will examine how individuals interpret messages differently, how values and points of view are included or excluded, and how media can influence beliefs and behaviors. Learn how to deconstruct a piece of media and deliver a more truthful or constructive message using altered images, words or persuasion techniques.

10) Little Red Writing Hood (Art, ELA)

Channel your inner (and outer) child to create your own children's book.

We'll explore the formats and backgrounds of picture and early childhood books while taking a look at some of the best loved ones out there. Then you can choose to tell a story of your own or re-tell a classic tale. We'll use Photoshop and Indesign to create a book using illustrations you create virtually or digitally.

Writers and illustrators can team up or work solo. In the end we'll publish our books either online or off.

11) Half Life: How Radioactivity may Kill (or Save) Us All (Physics, Biology)

Chernobyl, Fukushima, Nuclear talks in Iran, radon gas in your basement. Radioactivity always makes headlines- but what is this mysterious force that can kill in minutes, or be used to cure cancer? This seminar will delve into the science of radioactivity and the role it plays in society.

12) Great Female Artists (Art, Social Studies)

Michelangelo, Da Vinci, Van Gogh, Picasso, Monet. How many artists' names have you heard over the years? Of those, how many of them are male? Female? Want to learn more about the great female artists of history? Join this seminar! Field trips to local museums will add to our experience.

13) Media: Your Voice Counts (Media, ELA, Social Studies)

Become engaged in a real-world issue while using the power of media to investigate, explore, and act on a human rights cause of importance to you. Create a short documentary film using digital media to promote your cause.

14) Cold: Life and Physics at Low Temperatures. (Physics, Biology, Geography)

4-6 Months out of the year, Maine is blanketed by snow. Animals, plants, people and ice cream shops all hibernate and shut down for the season. This seminar will tackle the physics and biology of cold. Bring your snow pants, it is going to be a cold one.

15) Sports and Social Change (Social Studies, Culture)

The sports world is a place where fans dedicate themselves to their favorite players and teams. Sports serves as a microcosm for society and when civil rights leaders noticed this, they used sports as a medium to further social change. From Jackie Robinson, to Muhammad Ali, to Pat Summitt, this seminar will analyze various civil rights struggles in the United States through the perspective of sports.

Here are some clips from movies that will address some issues that we will learn about in the seminar.

[Glory Road](#) - the story about the college basketball team Texas Western, the first team ever to win a national championship starting five black players. [42](#) - The story of Jackie Robinson, who broke the color barrier in Major League Baseball.

16) Where in the World Is... (Social Studies, Culture)

Through a variety of activities, students will develop an increased awareness of the physical and political make-up of the world. Geography learning goals will be identified, as well as perhaps some reasoning processes.

17) Elemental My Dear Watson (Science, Chemistry)

Born in stars millions of the light years away, or created in labs to live for fractions of a second, elements are the building blocks of our universe. This seminar will focus on the power and danger locked away in the fundamental particles of atoms.

18) Eco-Friendly: Becoming Environmentally Aware (Social Studies, Culture)

How carbon affects our lives and the earth. How we can reduce consumption and save the world.

19) Go Fly a Kite (Math, Science, Social Studies)

Build and fly your own kite. Learn about modern and historic uses of kites. Learn the geometry behind the design and the physics behind how the kite flies.

20) Fraction Attraction (Math)

Fractions still kicking your _ _ _ ! Come work just with fractions. From simple to complex. From numeric to algebraic. Leave this seminar as the master of fractions and other rational expressions. (For all levels of students.)

21) Exotic and invasive species in Maine and beyond (Science, Culture/Social Science)

This seminar will look at the importance of biodiversity and the problems associated with exotic and invasive species in Maine and beyond.

Standard: SCI.05.LSE.01.02- Understand the importance of biodiversity. Understand the effects of invasive species on biodiversity.

22) Sports, Money and Society (Culture, Business)

An open analysis of how modern sport affects society and the impact society has on sports. Discussions on PEDs, contracts and public perception are just a few on the topics covered. Current events and topics will drive the foundation of the class (example: NCAA; should college athletes be paid with supporting evidence).

23) So You Think You're Sherlock Holmes (Math, Social Studies, Reasoning) So You Think You're Why was Sherlock Homes so effective? Did he have a process? Could this process be applied to other disciplines such as law? Can you use inductive and deductive reasoning? Come and learn how to construct a logical argument in the law, in geometry and satisfy learning goals 12GAP, CR.02.DR.01.01, CR.01.IR.01.01 and HM.03.RF.01.01.

24) The Science of Fish and Fishing (Science, Social Studies)

This course will look at fish and fishing through a scientific lens, tying biological and other scientific concepts (meteorological) to fisheries.

Standards:SCI.04.LSE.01.02- Understand ways in which organisms interact within an ecosystem.

SCI.04.10.10- Understands how variations in the behavior and traits of an offspring may permit some of them to survive a changing environment.

25) Coaching Foundations(Social Studies, Culture)

Coaching fundamentals will be the focus. This will look at various sports and break them down into smaller coachable moments. Responsibilities of coaches such as practice schedules, budgeting, athlete management and professionalism will be discussed. Communication skills will be challenged and improved upon.

26) Trigon – Metry: The Ancient Greeks (Math, Social Studies)So how much is the Leaning Tower of Pisa in Pisa, Italy really leaning? The ancient Greeks could tell us. And so can you. Come and learn how and satisfy learning goals 13GAP, CR.02.PS.01.01, and HM.02.MGM.01.01.

27) What Went Wrong? Brave New World! (Science, Culture)

How mutations have changed the world. What mutations are advantageous, what has eliminated species, and evolution.

28) Hospitality and Tourism (Business, Social Studies)

Participants will explore a variety of hospitality/tourism related jobs/career paths as well as the prerequisite skills necessary to be successful in this area. This seminar would include field-trips and on-site experiences.

29) Economics in Unexpected Places (Business, Social Studies)

Learn how economics exists in a variety of places such as sports, movies, history, pop culture, and more. This seminar will look at subjects ranging from discrimination and natural disasters to risk-taking and charity. We will examine world wide global events as well as day-to-day economic choices.

30) Dodeca – What? (Math, Reasoning Processes)

Can you build a sphere out of triangles? How about out of other polygons? Come learn how to do this, build your own polyhedra and satisfy learning goals 09GME,

31) Nutrition & Dietary Science (Health, Nutrition, Science)

Students will work with a certified dietician and nutrition expert to explore a variety of facets involved in maintaining a healthy diet and healthy lifestyle.

32) Volunteerism & Leadership (Service, Social Studies, English)

Students will begin by learning the practical in's and outs of service and volunteerism and service. After the initial training students will participate in a volunteer program at one of our nearby elementary schools actively working with students, teachers and administration to make a difference in the lives of the students and school community.

33) Conspiracy...? (Social Studies, Media, English)

Alien landings in Roswell, New Mexico? Was JFK really shot by Lee Harvey Oswald, or were there multiple gunman, motives? What really goes on in Area 51? The world of cover ups, sabotage, and wild theories will be explored and potentially debunked within this seminar.